

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

j1036 U.S. PTO  
10/034075  
01/03/02

In re Patent Application of )  
 )  
KAJIYAMA *et al.* )  
 )  
Application Number: To be assigned )  
 )  
Filed: Concurrently herewith )  
 )  
For: ADVANCED THERMAL GRADIENT DNA )  
CHIP (ATGC), THE SUBSTRATE FOR )  
ATGC, METHOD FOR MANUFACTURING )  
FOR ATGC, METHOD AND APPARATUS )  
FOR BIOCHEMICAL REACTION, )  
AND STORAGE MEDIUM )

Honorable Assistant Commissioner  
for Patents  
Washington, D.C. 20231

**INFORMATION DISCLOSURE STATEMENT**

Sir:

The above-referenced application is a continuation of U.S. Serial No. 09/527,233, filed March 16, 2000. It includes the same disclosure as U.S. patent application Serial No. 09/527,233.

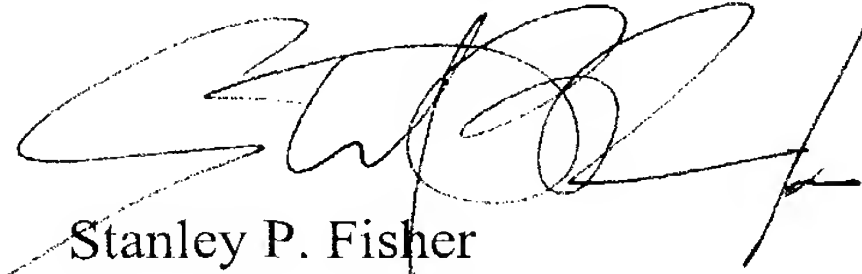
It is understood that the listed references will be considered in the examination of the application and that no separate copies of the same prior art are required to be provided since they were previously cited or transmitted in the foregoing prior application. 37 CFR Section 1.98(d). Forms PTO 1449 are enclosed listing references cited by the Examining Attorney and submitted by applicant in the prior application.

This Information Disclosure Statement is submitted with the above-captioned U.S. continuation application. Accordingly, no fee is due or payable at this time.

The Examiner is requested to acknowledge consideration of the information provided in this paper in accordance with prescribed procedures.

Please charge any additional fees or credit any overpayments in connection with this paper to Deposit Account No. 08-1480.

Respectfully submitted,



Stanley P. Fisher

Registration Number 24,344

**JUAN CARLOS A. MARQUEZ**

Registration No. 34,072

**REED SMITH LLP**

3110 Fairview Park Drive

Suite 1400

Falls Church, Virginia 22042

(703) 641-4200

**January 3, 2002**

<b>Form PTO 1449</b>  <b>U.S. Department of Commerce</b> <b>Patent and Trademark Office</b>  <b>Information Disclosure Statement by Applicant</b>	<b>ATTY. DOCKET NUMBER</b> <b>HIRA.0005</b>	<b>SERIAL NUMBER</b>
	<b>APPLICANT</b> <b>KAJIYAMA <i>et al</i></b>	
	<b>FILING DATE</b> <b>March 16, 2000</b>	<b>GROUP</b>

J1036 U.S. PTO  
 10/034075  
 01/03/02

**U.S. Patent Documents**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

**Foreign Patent Documents**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	11-127900	05/1999	Japan				

**Other Documents (Including Author, Title, Date Pertinent Pages, Etc.)**

		Schena <i>et al.</i> , Science, vol. 270, pp. 467-470 (1990).
		Khrapko <i>et al.</i> JDNA Sequencing and Mapping, vol. 1, pp. 375-388 (1991).

EXAMINER	DATE CONSIDERED
----------	-----------------

**EXAMINER:** Initial if citation is considered, whether or not citation is in conformance with MPEP 609; draw a line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant

Form PTO 1449  U.S. Department of Commerce Patent and Trademark Office  Information Disclosure Statement by Applicant	ATTY. DOCKET NUMBER		SERIAL NUMBER
	HIRA.0005		09/527,233
	APPLICANT		
	KAJIYAMA et al.		
FILING DATE		GROUP	
March 16, 2000		1643	

U.S. Patent Documents

Examiner Initial	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLAS S	FILING DATE

Foreign Patent Documents

Examiner Initial	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
						YES	NO

Other Documents (Including Author, Title, Date Pertinent Pages, Etc.)

AA	K.R. Khrapko, Yu P. Lysov, A.A. Khorlin, I.B. Ivanov, G.M. Yershov, Silenko, V. L. Florentiev and A.D. Mirzabekov, "A Method for DNA Sequencing by Hybridization with Oligonucleotide Matrix," DNA Sequencing and Mapping, Vol. 1, pp. 375-388
AB	M. Schena, D. Shalon, R.W. Davis, P.O. Brown, "Quantitative Monitoring of Gene Expression Patterns with a Complementary DNA Microarray," Science (20 October 1995), Vol 270, pp. 467-470.
AC	K. J. Breslauer, R. Frank, H. Blocker and L.A. Marky, "Predicting DNA Duplex Stability from the Base Sequence," Proc. Natl. Acad. Sci. USA (June 1986) Vol. 83, pp. 3746-3750

EXAMINER	DATE CONSIDERED
----------	-----------------

*EXAMINER: Initial if citation is considered, whether or not citation is in conformance with MPEP 609; draw a line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant*